

Title (en)  
SUBSTITUTED BERBINES AND THEIR SYNTHESIS

Title (de)  
SUBSTITUIERTE BERBINE UND DEREN SYNTHESE

Title (fr)  
BERBINES SUBSTITUÉES ET LEUR SYNTHÈSE

Publication  
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Application  
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Abstract (en)  
[origin: WO2015051106A1] The present invention provides substituted berbines, processes for the synthesis of substituted berbine compounds preferably through a Bischler-Napieralski cyclization followed by reduction, as well as intermediates used in the synthesis of substituted berbine compounds. The amide precursor for the Bischler-Napieralski reaction could be obtained treating the free amine with acid halides, formate sources or aldehydes. Also provided are methods for using the substituted berbines to inhibit cancer cell growth.

IPC 8 full level  
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